

## APPENDIX B 1 ABBREVIATIONS



*This list of approved abbreviations is a part of the Firearm/Toolmark Procedures Manual. Additional abbreviations found in the LIMS system are also approved. Abbreviations are alphabetically listed first by Abbreviation, and then listed by the Description. Abbreviations are not case specific.*

Abbreviation	Description
∠	Angle
>	Greater than
≥	Greater than or equal
<	Less than
≤	Less than or equal
“	Inches
°	Degrees
-	Negative, negative reaction, or not identified
⊖	Negative, negative reaction, or not identified
=	Equal
≠	Not equal
~	Approximately
≅	Approximately equal
+	Positive, positive reaction, Identification, or in addition to
⊕	Plus sign in a circle
# L	# Lands & grooves, direction of twist is left
# or lbs	Pounds
# R	# Lands & grooves, direction of twist is right
%	Percentage
(K)	Knurled cannellure
(S) or s/cann	Smooth cannellure
@	At
5L	5 lands/grooves (left twist)
5R	5 lands/grooves (right twist)
A	Arc
Abt	About
ACP	Automatic Colt Pistol
Al	Aluminum
Ammo	Ammunition
Ap	Armor piercing
Approx	Approximately
Arc	Arcing
Assn, asso, or assoc	Association
Auto	Automatic
B	Brown
B C	Base to cannellure
B or Br	Brass
B/C	Because
Bbl	Barrel
Bcl	Brass-coated lead
Beb	Brass-enclosed base

Bf	Breechface
BF imp	Breechface impression
Bfm	Breechface marks
Bld	Blood
Bot	Bottom
BP	Black powder
Bpwp	Brown paper wrapped package
BR	Breech
BS	Blued steel
BT	Boattail
Bu or bul	Bullet
BX	Box
BX1	One sealed cardboard box
C	Central Lab
C	Concentric circles or circular
C (#)	Container (1)
C case, c/case, cc	Cartridge case
Cart, ctg or cart(s)	Cartridge or cartridges
C in circle	Circular micro marks
Cal	Caliber
Cann or cannel	Cannelure
Cap	Capacity
Cbb	Cardboard box
Ccl	Copper-coated lead
CF	Centerfire
Char	Characteristics
Chem	Chemical examination or test
Cir	Circular
Cl pl	Clear plastic
Class char	Class characteristics
CM, cham, chamber, chm	Chamber, chamber mark, chamber marks
CMC	Metal cased (Cu/Brass)
CMS	Case mouth seal, color identification
Cncs	Cupro nickel-clad steel bullet jacket
Cn	Cupro-nickel bullet jacket
Coll	Collection
Combo	Combination
Con	Concave or concentric
Consist	Consistent
Cont	Container; containing, control, or continued
Cont:	Containing
Cor, corr, or corres	Corresponding or Correspondence
Cr	Crane
Cu	Copper
Cws	Copper-washed steel, case finish
Cyl	Cylinder
Da	Double-action
Dao	Double-action only
Dc	Dual core

Detach	Detachable
Diam	Diameter
Dif or diff	Difference or different
Dist	Distance
Doub or dbl	Double
DX	Drug Analysis
E	Eastern Lab
E or elip	Elliptical
Ea	Each
Ej or ejt	Ejector
Elim	Eliminate
Elip	Elliptical
En or env	Envelope
EN1	One sealed envelope
Equiv	Equivalent
Etc	Etcetera
Evid	Evidence
Evid b	Evidence bag
Exam	Examined or examination
Exc	Excellent
Exm	Examination
Ext	External or extractor
F	Function
F/print	Fingerprint
FA	Firearm
Fb	From base
Flt	Flat or flat base
Fm or fr	From
Fmc	Full metal case
Fmj	Full metal jacket, or full patch
Fn	Flat nosed
FP	Fingerprint or forensic photography
FP	Forensic photography or fingerprint
FP or fpin	Firing pin
Fpd	Firing pin drag
Fpi	Firing pin impression
Fr	Frame
Frag	Fragment
Fslc	Fired since last cleaned
FX	Firearm/Tool Marks
G	Granular, groove, or gold
G or Gimp	Groove Impression
Ga	Gauge
Gd	Gold dot
Gdhp	Gold dot hollow point
Gen app	General appearance
Gm	Gilding metal bullet Jacket
Gmcs	Gilding metal clad steel bullet jacket
Gp	Gunpowder

Gr	Grain, grains, or grip
Gran	Granular
Grc	General rifling characteristics
Griess	Griess Test for nitrates
Grip	Grip safety
Gsr	Gunshot residue
Gwd	Groove width
H	Height
H or hem	Height or hemispherical
H in circle	Hemispherical firing pin impression
H/stamp or hs	Head stamp
H <sub>2</sub> O	Water
Ham	Hammer
Hd	Head
He	High Explosive
HF	Hydrafluoric Acid solution or Hydrafluoric Acid
Hh	Hand to hand
HP	Hollow point
Hpb	Heavy pointed ball, boattail bullet
Hpt	High pressure test
Hvy	Heavy
I	Incendiary
I/S	Inside
ID mark	Identification mark
ID or Ident	Identification
imp	Impression
Incl	Inclusive
Ind or indiv	Indicator or individual
Indent	Indentation
Insuff	Insufficient
IP	Inside primed
IT	Item
J	Jacketed
JHP	Jacketed hollow point
JS	Jacketed base solid
JSP	Jacketed soft point
K	Kidney shaped or knurled
K/cann or (K)	Knurled cannellure
Kn	Knurled
L	Land, Long, length, or left
L or limp	Land impression
L/S	Left side
L<G	Lands smaller than grooves
L=G	Lands equal grooves
L>G	Lands larger than grooves
Lab	Laboratory
Lag	Land and groove
LB	Lock box
Lb	Pound

Lbs	Pounds
Lf	Lead free
Lhp	Lead hollow point
Lpb	Light pointed ball-flat based bullet
LR	Long Rifle
LRN	Lead round-nose bullet type
LS	Lacquered steel, case finish
L-swc	Lead semi-wadcutter
Lt	Light
Lug	Luger
Lwd	Land width
LX	Latent Prints
M	Magnetic or manila
M&P	Military & Police
MA	Mouth annulus, color ID
Mag	Magazine, magnum, magnetic, magnification
Mag s	Magazine safety
Man	Manual
Manuf	Manufacture
Mbm	Marked by me
MC	Metal can or metal cases
Me	Manila envelope or Medical Examiner
ME	Medical Examiner or manila envelope
Mfr	Manufacturer
Mic or Micro	Microscope
Micro marks	Microscopic marks
Mk	Mark or marked
MI	Muzzle loading
Mlm	Magazine lip marks
mm	Millimeter
Mod	Moderate
Mrkd	Marked
Msrd	Measured
N	Northern Lab
N/a	Not applicable
Na Rho or Na Rh	Sodium Rhodizonate
NC	No conclusion
NC(s)	Nose cut(s)
Neg	Negative
Ni or Nick	Nickel
Nps	Nickel-plated steel
Ns	Not suitable
Nyl	Nylon
O	Other
O in circle	Other micro marks
O/	Over
O/S	Outside
O/U	Over/under
OA	Overall

Oal	Overall length
Ob	Open base
Oblt	Obliterated
OCME	Office of Chief Medical Examiner
Od	Olive drab or outside diameter
Oz	Ounce
P/mark	Proof Mark
Pa	Primer annulus, color identification
Pap	Paper
Par or P	Parallel
Part	Particle or partial
Pb	Lead
PB	Paper Bag
PC	Piece
PD	Police Department
Pfb	Primer flow-back
Pg	Page
Pi	Pistol, semi-auto
Pkg	Package
Pl	Plane lead or plastic
Plb	Plastic bag
PMC	Pan Metal Corporation, etc., etc.
Poly	Polygonal
Pos	Positive
PR	Pistol, revolver
Pr	Primer
PR or Rev	Revolver
Ps	Primer shearing
Psp	Pointed soft point
Pt	Point or pointed
Pyro	Pyrodex
Pzlb	Plastic zip-lock bag
QX	Questioned Documents
R	Right
R/B	Red brown stain
R/S	Right side
Rec	Received
Rec or Rcvr	Receiver
Rec'd	Received
Rect	Rectangular
Ref	Reference
Reman or remanuf	Remanufactured
Rep feature	Reproducible feature
Rept	Report
Res	Residue
RF	Rimfire
RI	Rifle, semi-auto
RL	Rifle lever action
RN	Round nose

Ret'd or rtn'd	Returned
Rt	Right
Rtn	Return
Rx	Reaction
S	Safety, sealed, Short, smooth
S in circle	Sealed or smooth micro marks
S/cann or (s)	Smooth cannellure
S&W	Smith & Wesson
S, s/, or sld	Sealed
S/L/LR	Short, Long, Long Rifle
Spl	Special
SS, s/s or s/steel	Stainless steel
S/T&I	Sealed with tape and initialed
Sa	Single action
Saa	Single-action Army
Sc	Semi-circular
Sdm	Slide drag mark
SE	Secutiry
Semi-JHP	Semi-jacketed hollow-point
Sing	Single
Sj	Semi-jacket
Sjhp	Semi-jacketed hollow point
Sjsp	Semi jacket soft point
Sme	Sealed manila envelope
SN or SN#	Serial number or soft nose
SO	Sheriff's Office
Sol	Solid
SP	Soft point
Spe	Sealed plastic envelope
Spl	Special
SS	Shotshell, single shot, stainless steel
Ssc or Sscase	Shotshell case
Sshell	Shotshell
Ssm	Slide scuff mark
ST	Silver tip
St or stl	Steel
Sub	Submitted
Suf	Sufficient
Swb	Sealed white box
Swc	Semi-wadcutter
SX	Forensic Biology
SXS	Side by side
Sye	Sealed yellow envelope
Syn	Synthetic
T	Test or tracer
Tc	Truncated cone
Temc or TMC	Totally enclosed metal case
Tf	Test fire
Tf	Test fire

[illegible]